

Hello

Objective

As the first step of this journey, we need to get our development environment - the editor, the compiler and so on organized. In order to get comfortable with the environment and the process of producing a finished unit which is testable, we commence with a very simple projectlet.

User needs and requirements

This projectlet is to fulfill the need of software engineers.

Id		Need/Requirement
1		The utility shall be a command line utility.
2		The utility shall interpret each argument as a filename.
3		The utility shall list each file numbering each line.
4		The line numbers shall be shown 4 digits padded on the left with 0's in the form NNNN.
5		The output shall be to the "standard output" which can potentially be redirected to a listing file.

User wants

The following will enhance the appeal of the tool.

Id		Wants
1		The utility shall list print the full path name of the file.
2		The utility shall list the creation date of each file.
3		The utility shall list the size of each file.
4		The utility shall list the details only when requested explicitly.

Example usage

./lister lister.go

----- lister.go

0001 : package main

0002 :

0003 : import (

0004 : "bufio"

0005 : "flag"

0006 : "fmt"

0007 : "io"

0008 : "log"

0009 : "os"

0010 :)

0011 :

0012 : func listfile(fn string) {

0040 : func main() {

0041 :

0042 : flag.Parse()

0043 : for i := 0; i < flag.NArg(); i++ {

0044 : listfile(flag.Arg(i))

0045 : }

0046 : }

0047 :

0047 lines